L Number	Hits	Search Text	DB	Time stamp
1	3625	hollow with cathode	USPAT; US-PGPUB	2003/09/25 16:50
2	127236	plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)	USPAT; US-PGPUB	2003/09/25 16:51
3	737	(hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))	USPAT; US-PGPUB	2003/09/25 16:51
4	2003221	etch$ or patern$ or remov$	USPAT; US-PGPUB	2003/09/25 16:52
5	82656	sheath$	USPAT; US-PGPUB	2003/09/25 16:52
6	22	((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$	USPAT; US-PGPUB	2003/09/25 16:52
7	3	(etch$ or patern$ or remov$) same (((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$)	USPAT; US-PGPUB	2003/09/25 16:52
8	112	(hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)	USPAT; US-PGPUB	2003/09/25 16:52
9	4	(((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$) and ((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$))	USPAT; US-PGPUB	2003/09/25 16:55
10	18	(((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$) not ((((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$) and ((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)))	USPAT; US-PGPUB	2003/09/25 16:58
11	112	(hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)	USPAT; US-PGPUB	2003/09/25 16:59
12	409	(plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) with sheath$	USPAT; US-PGPUB	2003/09/25 16:59
13	6	((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) and ((plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) with sheath$)	USPAT; US-PGPUB	2003/09/25 16:59
14	5	(((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) and ((plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) with sheath$)) not ((((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$) and ((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)))	USPAT; US-PGPUB	2003/09/25 17:01

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15	103	((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) not ((((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) and ((plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) with sheath$)) or ((((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion))) same sheath$) and ((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$))))	USPAT; US-PGPUB	2003/09/25 17:11
16	907	(hollow with cathode) and (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) and (etch$ or patern$ or remov$)	USPAT	2003/09/25 17:11
17	144	((hollow with cathode) and (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) and (etch$ or patern$ or remov$)) and sheath$	USPAT	2003/09/25 17:11
18	132	(((hollow with cathode) and (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) and (etch$ or patern$ or remov$)) and sheath$) not (((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) or (((hollow with cathode) same (plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) same (etch$ or patern$ or remov$)) and ((plasma? or sputter$ or corona? or rie or merie or mrie or (glow near3 discharg$) or (reactive near3 ion)) with sheath$)))	USPAT	2003/09/25 17:12

L Number	Hits	Search Text	DB	Time stamp
1	12589	sheath?	USPAT; US-PGPUB	2003/09/25 15:45
2	23377	pace	USPAT; US-PGPUB	2003/09/25 15:26
3	370	sheath? and pace	USPAT; US-PGPUB	2003/09/25 15:27
4	127497	plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion)	USPAT; US-PGPUB	2003/09/25 15:45
5	43	(sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))	USPAT; US-PGPUB	2003/09/25 15:27
6	929413	thickness$	USPAT; US-PGPUB	2003/09/25 15:28
7	22	((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$	USPAT; US-PGPUB	2003/09/25 15:28
8	138	pace same plasma	USPAT; US-PGPUB	2003/09/25 15:28
9	1	((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and (pace same plasma)	USPAT; US-PGPUB	2003/09/25 15:29
10	21	(((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$) not (((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and (pace same plasma))	USPAT; US-PGPUB	2003/09/25 15:30
11	21	((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) not (((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$)	USPAT; US-PGPUB	2003/09/25 15:31
12	427	plasma with assist$ with chemical$ with etch$	USPAT; US-PGPUB	2003/09/25 15:43
13	4	sheath? and (plasma with assist$ with chemical$ with etch$)	USPAT; US-PGPUB	2003/09/25 15:33
14	11	zarowin and sheath?	USPAT; US-PGPUB	2003/09/25 15:33
15	10	(zarowin and sheath?) not (sheath? and (plasma with assist$ with chemical$ with etch$))	USPAT; US-PGPUB	2003/09/25 15:35
16	1374	plasma same local$ same etch$	USPAT; US-PGPUB	2003/09/25 15:35
17	13	sheath? and (plasma same local$ same etch$)	USPAT; US-PGPUB	2003/09/25 15:36
18	5	(sheath? and (plasma same local$ same etch$)) not ((sheath? and (plasma with assist$ with chemical$ with etch$)) or (((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$) or ((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) or (zarowin and sheath?))	USPAT; US-PGPUB	2003/09/25 15:38
19	8	(sheath? and (plasma same local$ same etch$)) not ((sheath? and (plasma same local$ same etch$)) not ((sheath? and (plasma with assist$ with chemical$ with etch$)) or (((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$) or ((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) or (zarowin and sheath?)))	USPAT; US-PGPUB	2003/09/25 15:41

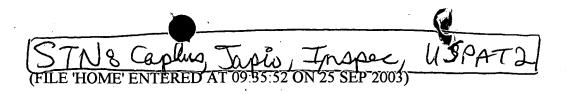| 20	15	sheath? same (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion)) same thickness$	USPAT; US-PGPUB	2003/09/25 15:42
21	0	((zarowin and sheath?) not (sheath? and (plasma with assist$ with chemical$ with etch$))) not ((sheath? and (plasma same local$ same etch$)) or (((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) and thickness$) or ((sheath? and pace) and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))) or (zarowin and sheath?) or (sheath? and (plasma with assist$ with chemical$ with etch$)))	USPAT; US-PGPUB	2003/09/25 15:42
22	1487	(sheath?).clm.	USPAT; US-PGPUB	2003/09/25 15:42
23	18845	(plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion)).clm.	USPAT; US-PGPUB	2003/09/25 15:44
24	5	((sheath?).clm.) and ((plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion)).clm.)	USPAT; US-PGPUB	2003/09/25 15:45
25	3582	sheath?	DERWENT	2003/09/25 15:45
26	41900	plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion)	DERWENT	2003/09/25 15:45
27	3	sheath? and (plasma? or sputter$ or corona? or rie or mrie or merie or (glow near3 discharg$) or (reactiv$ near3 ion))	DERWENT	2003/09/25 15:46

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(FILE 'HOME' ENTERED AT 12:30:00 ON 25 SEP 2003)

FILE 'CAPLUS' ENTERED AT 12:30:07 ON 25 SEP 2003
L1   26962 S SHEATH#
L2   883931 S PLASMA? OR SPUTTER? OR CORONA# OR RIE OR MRIE OR MERIE
OR GLO
L3   1219129 S ETCH? OR PATERN? OR REMOV?
L4   634032 S THICK?
L5   2603 S PACE
L6   0 S L1 AND L5 AND L2
L7   844 S L1(5A)L4
L8   34 S L7 AND L2 AND L3
L9   410 S L1 AND L2 AND L3
L10   376 S L9 NOT (L8 OR L6)
L11   2146 S L2(10A)L1
L12   69 S L11 AND (CVD OR CLEAN?)
L13   56 S L12 NOT (L10 OR L8)

FILE 'JAPIO' ENTERED AT 12:35:27 ON 25 SEP 2003
L14   91 S L10
L15   14 S L13
L16   56 S L11 AND (L14 OR L15)

FILE 'CAPLUS' ENTERED AT 09:36:00 ON 25 SEP 2003
L1   877760 S PLASMA? OR SPUTTER? OR CORONA OR RIE OR MRIE OR MERIE OR
GLOW
L2   30922 S SHEATH?
L3   2618 S PACE OR (PLASMA?(5A)ASSIST?(5A)CHEMICAL(5A)ETCH?)
L4   0 S L1 AND L2 AND L3
L5   4069 S L1 AND L2
L6   935 S L2(5A)THICK?
L7   284 S L1 AND L6
L8   1219129 S ETCH? OR PATERN? OR REMOV?
L9   34 S L7 AND L8
L10   34 S L4 OR L9

FILE 'JAPIO' ENTERED AT 09:38:25 ON 25 SEP 2003
L11   6 S L10

FILE 'USPAT2' ENTERED AT 09:38:49 ON 25 SEP 2003
L12   0 S L1(P)L2(P)L3
L13   9 S L1(P)L2(P)L6
L14   3 S L13(P)L8
L15   9 S L13 OR L14

FILE 'INSPEC' ENTERED AT 09:39:50 ON 25 SEP 2003
L16   40 S L10